

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1241	((514/190) or (514/316) or (546/188)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/26 19:40
L2	9	1 and chronic and wound and care	US-PGPUB; USPAT	OR	OFF	2006/10/26 19:40

10667835

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1612bxr

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	5	AUG 30	CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS	6	SEP 11	CA/CAPLUS enhanced with more pre-1907 records
NEWS	7	SEP 21	CA/CAPLUS fields enhanced with simultaneous left and right truncation
NEWS	8	SEP 25	CA(SM)/CAPLUS(SM) display of CA Lexicon enhanced
NEWS	9	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS	10	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS	11	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS	12	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS	13	OCT 19	E-mail format enhanced
NEWS	14	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS	15	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS EXPRESS	JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		
NEWS X25	X.25 communication option no longer available		

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:34:46 ON 26 OCT 2006

Updated Search

10667835

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 19:34:55 ON 26 OCT 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 OCT 2006 HIGHEST RN 911284-77-0

DICTIONARY FILE UPDATES: 25 OCT 2006 HIGHEST RN 911284-77-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> set postings on

SET COMMAND COMPLETED

=> s "2,2,6,6-tetraalkyl"

32104 "2,2,6,6"

70 "TETRAALKYL"

L1 0 "2,2,6,6-TETRAALKYL"

("2,2,6,6" (W) "TETRAALKYL")

=> s "tetraalkyl" and piperidinyll

70 "TETRAALKYL"

508437 PIPERIDINYLL

L2 0 "TETRAALKYL" AND PIPERIDINYLL

=> s "tetraalkyl"

L3 70 "TETRAALKYL"

=> s piperidinyll

L4 508437 PIPERIDINYLL

=> s 14 () 13

L5 0 L4 (W) L3

=> s 13 and 14

L6 0 L3 AND L4

=> s piperidine

L7 397112 PIPERIDINE

Updated Search

10667835

=> s l7 and l3

L8 0 L7 AND L3

=> s piperidine?

L9 397112 PIPERIDINE?

=> e piperidinyl

E1	1	PIPERIDINUM/BI
E2	1	PIPERIDINY/BI
E3	508437	--> PIPERIDINYL/BI
E4	11	PIPERIDINYLACET/BI
E5	3	PIPERIDINYLACETAMIDE/BI
E6	8	PIPERIDINYLACETATE/BI
E7	1	PIPERIDINYLACETIC/BI
E8	1451	PIPERIDINYLACETYL/BI
E9	1	PIPERIDINYLACETYLAMINO/BI
E10	2	PIPERIDINYLACRYL/BI
E11	1	PIPERIDINYLACRYLAMIDE/BI
E12	1	PIPERIDINYLACRYLATE/BI

=> s e3

L10 508437 PIPERIDINYL/BI

=> s l10 and l3

L11 0 L10 AND L3

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

44.16

44.37

FILE 'HCAPLUS' ENTERED AT 19:36:28 ON 26 OCT 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 26 Oct 2006 VOL 145 ISS 18

FILE LAST UPDATED: 25 Oct 2006 (20061025/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 19:34:46 ON 26 OCT 2006)

Updated Search

10667835

FILE 'REGISTRY' ENTERED AT 19:34:55 ON 26 OCT 2006
SET POSTINGS ON

L1 0 S "2,2,6,6-TETRAALKYL"
L2 0 S "TETRAALKYL" AND PIPERIDINYL
L3 70 S "TETRAALKYL"
L4 508437 S PIPERIDINYL
L5 0 S L4 () L3
L6 0 S L3 AND L4
L7 397112 S PIPERIDINE
L8 0 S L7 AND L3
L9 397112 S PIPERIDINE?
E PIPERIDINYL
L10 508437 S E3
L11 0 S L10 AND L3

FILE 'HCAPLUS' ENTERED AT 19:36:28 ON 26 OCT 2006

=> s l4 and l7

TOO MANY TERMS FOR FILE CROSSOVER IN L4

There are limits on the size of an answer set being crossed over from one file to another. Enter HELP CROSSOVER at an arrow prompt (=>) for specific information.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.53

46.90

FILE 'REGISTRY' ENTERED AT 19:36:50 ON 26 OCT 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 OCT 2006 HIGHEST RN 911284-77-0

DICTIONARY FILE UPDATES: 25 OCT 2006 HIGHEST RN 911284-77-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> set postings on

SET COMMAND COMPLETED

=> s piperidinyl

L12 508437 PIPERIDINYL

Updated Search

10667835

=> s "tetraalkyl"
L13 70 "TETRAALKYL"

=> s l13 and l12
L14 0 L13 AND L12

=> s piperidine
L15 397112 PIPERIDINE

=> s 15 or l12
548182 15
L16 1055389 15 OR L12

=> s l16 and l13
L17 3 L16 AND L13

=> file hcaplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
19.48	66.38

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 19:37:35 ON 26 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 26 Oct 2006 VOL 145 ISS 18
FILE LAST UPDATED: 25 Oct 2006 (20061025/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l17
L18 0 L17

=> file reg
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
2.53	68.91

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 19:37:46 ON 26 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file

Updated Search

10667835

provided by InfoChem.

STRUCTURE FILE UPDATES: 25 OCT 2006 HIGHEST RN 911284-77-0
DICTIONARY FILE UPDATES: 25 OCT 2006 HIGHEST RN 911284-77-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

```
=> s l17, d scan
      1929 'L17'
      8328463 D
      47 SCAN
L19      0 L17, D SCAN
          ('L17' (W) D (W) SCAN)
```

=> d his

(FILE 'HOME' ENTERED AT 19:34:46 ON 26 OCT 2006)

FILE 'REGISTRY' ENTERED AT 19:34:55 ON 26 OCT 2006

SET POSTINGS ON

```
L1      0 S "2,2,6,6-TETRAALKYL"
L2      0 S "TETRAALKYL" AND PIPERIDINYL
L3      70 S "TETRAALKYL"
L4      508437 S PIPERIDINYL
L5      0 S L4 () L3
L6      0 S L3 AND L4
L7      397112 S PIPERIDINE
L8      0 S L7 AND L3
L9      397112 S PIPERIDINE?
          E PIPERIDINYL
L10     508437 S E3
L11     0 S L10 AND L3
```

FILE 'HCAPLUS' ENTERED AT 19:36:28 ON 26 OCT 2006

FILE 'REGISTRY' ENTERED AT 19:36:50 ON 26 OCT 2006

SET POSTINGS ON

```
L12     508437 S PIPERIDINYL
L13     70 S "TETRAALKYL"
L14     0 S L13 AND L12
L15     397112 S PIPERIDINE
L16     1055389 S 15 OR L12
L17     3 S L16 AND L13
```

FILE 'HCAPLUS' ENTERED AT 19:37:35 ON 26 OCT 2006

```
L18     0 S L17
```

Updated Search

10667835

FILE 'REGISTRY' ENTERED AT 19:37:46 ON 26 OCT 2006
L19 0 S L17, D SCAN

=> d l17, all, 1-3

L17 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN

RN 308074-61-5 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

ED Entered STN: 12 Dec 2000

CN Quaternary ammonium compounds, di-C13-15-alkyldimethyl, chlorides
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ammonium halides, di-C13-15-alkyldimethyl, chlorides

OTHER NAMES:

CN Di-C13-15-alkyldimethyl, chlorides quaternary ammonium compounds

CN Di-C13-15-alkyldimethylammonium chlorides

CN Quaternary ammonium compd., di-C13-15-alkyldimethyl, chlorides

CN Quaternary ammonium compds., di-C13-15-alkyldimethyl, chlorides

CN Synprolam D 35QC

CN Tetraalkylammonium compounds, di-C13-15-alkyldimethyl, chlorides

MF Unspecified

CI MAN, CTS

SR CA

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L17 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN

RN 308074-60-4 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

ED Entered STN: 12 Dec 2000

CN Quaternary ammonium compounds, coco alkyltris(hydroxyethyl), ethoxylated, chlorides (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ammonium halides, coco alkyltris(hydroxyethyl), ethoxylated, chlorides

OTHER NAMES:

CN Coco alkyltris(hydroxyethyl)ammonium chlorides, ethoxylated

CN Ethoquad CD 14

CN Ethoquad CD 15

CN Tetraalkylammonium compounds, coco alkyltris(hydroxyethyl), ethoxylated, chlorides

MF Unspecified

CI MAN, CTS

SR CA

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L17 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN

RN 308074-41-1 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

ED Entered STN: 12 Dec 2000

CN Quaternary ammonium compounds, C13-15-alkyltrimethyl, chlorides
(CA INDEX NAME)

OTHER CA INDEX NAMES:

Updated Search

10667835

CN Ammonium halides, C13-15-alkyltrimethyl, chlorides
OTHER NAMES:
CN C13-15-alkyltrimethylammonium chlorides
CN Synprolam 35TMQC
CN Tetraalkylammonium compounds, C13-15-alkyltrimethyl, chlorides
MF Unspecified
CI MAN, CTS
SR CA

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	24.65	93.56

FILE 'REGISTRY' ENTERED AT 19:38:11 ON 26 OCT 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 25 OCT 2006 HIGHEST RN 911284-77-0
DICTIONARY FILE UPDATES: 25 OCT 2006 HIGHEST RN 911284-77-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> S 308074-41-1/RN

L20 1 308074-41-1/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D L20 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 6.36 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L20 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

Updated Search

10667835

RN 308074-41-1 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

CN Quaternary ammonium compounds, C13-15-alkyltrimethyl, chlorides (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ammonium halides, C13-15-alkyltrimethyl, chlorides

OTHER NAMES:

CN C13-15-alkyltrimethylammonium chlorides

CN Synprolam 35TMQC

CN Tetraalkylammonium compounds, C13-15-alkyltrimethyl, chlorides

MF Unspecified

CI MAN, CTS

SR CA

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND

SET COMMAND COMPLETED

=>

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND

SET COMMAND COMPLETED

=> D L20 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

THE ESTIMATED COST FOR THIS REQUEST IS 6.36 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L20 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 308074-41-1 REGISTRY *

* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN* at an online arrow prompt (=>).

CN Quaternary ammonium compounds, C13-15-alkyltrimethyl, chlorides (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ammonium halides, C13-15-alkyltrimethyl, chlorides

OTHER NAMES:

CN C13-15-alkyltrimethylammonium chlorides

CN Synprolam 35TMQC

CN Tetraalkylammonium compounds, C13-15-alkyltrimethyl, chlorides

MF Unspecified

CI MAN, CTS

SR CA

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=> SET NOTICE LOGIN DISPLAY

Updated Search

10667835

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> d his

(FILE 'HOME' ENTERED AT 19:34:46 ON 26 OCT 2006)

FILE 'REGISTRY' ENTERED AT 19:34:55 ON 26 OCT 2006
SET POSTINGS ON

L1 0 S "2,2,6,6-TETRAALKYL"
L2 0 S "TETRAALKYL" AND PIPERIDINYL
L3 70 S "TETRAALKYL"
L4 508437 S PIPERIDINYL
L5 0 S L4 () L3
L6 0 S L3 AND L4
L7 397112 S PIPERIDINE
L8 0 S L7 AND L3
L9 397112 S PIPERIDINE?
E PIPERIDINYL
L10 508437 S E3
L11 0 S L10 AND L3

FILE 'HCAPLUS' ENTERED AT 19:36:28 ON 26 OCT 2006

FILE 'REGISTRY' ENTERED AT 19:36:50 ON 26 OCT 2006
SET POSTINGS ON

L12 508437 S PIPERIDINYL
L13 70 S "TETRAALKYL"
L14 0 S L13 AND L12
L15 397112 S PIPERIDINE
L16 1055389 S 15 OR L12
L17 3 S L16 AND L13

FILE 'HCAPLUS' ENTERED AT 19:37:35 ON 26 OCT 2006

L18 0 S L17

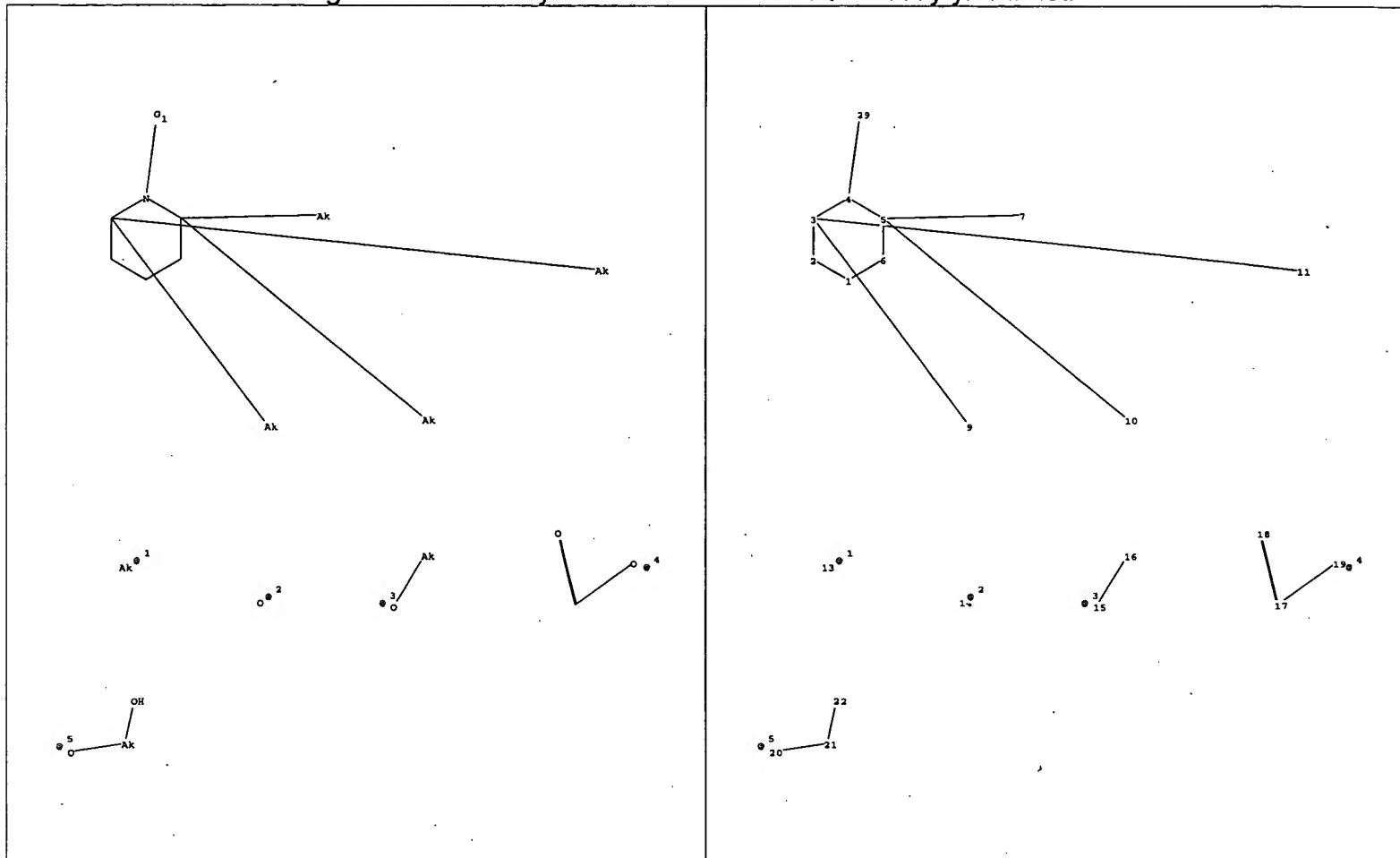
FILE 'REGISTRY' ENTERED AT 19:37:46 ON 26 OCT 2006

L19 0 S L17, D SCAN

FILE 'REGISTRY' ENTERED AT 19:38:11 ON 26 OCT 2006

L20 1 S 308074-41-1/RN
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

Updated Search



chain nodes :

7 9 10 11 13 14 15 16 17 18 19 20 21 22 29

ring nodes :

1 2 3 4 5 6

chain bonds :

3-9 3-11 4-29 5-7 5-10 15-16 17-18 17-19 20-21 21-22

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 3-4 3-9 3-11 4-5 4-29 5-6 5-7 5-10 15-16 17-18 17-19 20-21 21-22

isolated ring systems :

containing 1 :

G1:[*1],[*2],[*3],[*4],[*5]

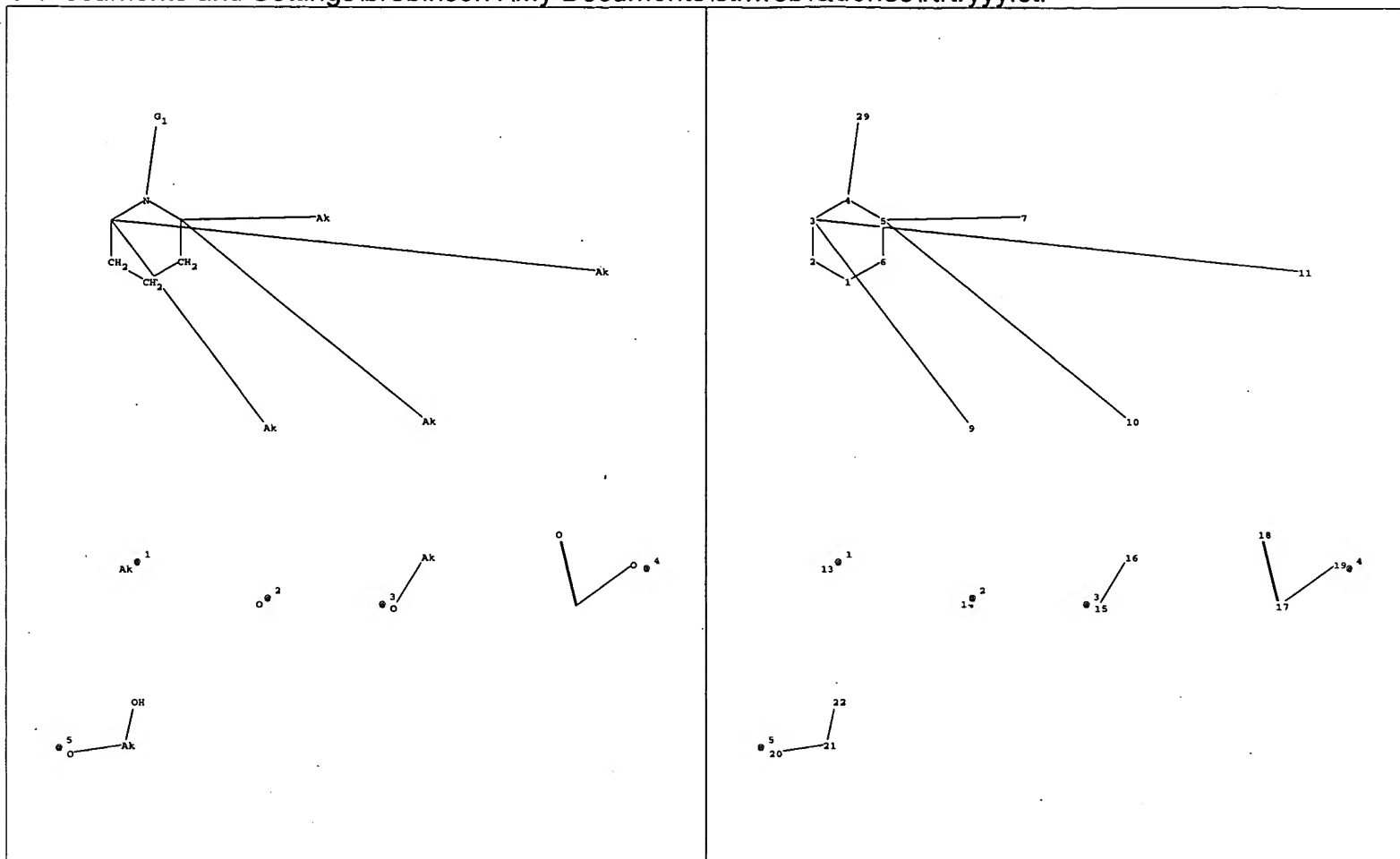
Connectivity :

7:1 E exact RC ring/chain 9:1 E exact RC ring/chain 10:1 X maximum RC ring/chain

11:1 E exact RC ring/chain 13:1 E exact RC ring/chain 16:1 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS9:CLASS10:CLASS11:CLASS13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS18:CLASS19:CLASS20:CLASS21:CLASS22:CLASS29:CLASS



chain nodes :

7 9 10 11 13 14 15 16 17 18 19 20 21 22 29

ring nodes :

1 2 3 4 5 6

chain bonds :

3-9 3-11 4-29 5-7 5-10 15-16 17-18 17-19 20-21 21-22

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 3-4 3-9 3-11 4-5 4-29 5-6 5-7 5-10 15-16 17-18 17-19 20-21 21-22

isolated ring systems :

containing 1 :

G1:[*1],[*2],[*3],[*4],[*5]

Connectivity :

7:1 E exact RC ring/chain 9:1 E exact RC ring/chain 10:1 X maximum RC ring/chain

11:1 E exact RC ring/chain 13:1 E exact RC ring/chain 16:1 E exact RC ring/chain

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS9:CLASS10:CLASS11:CLASS13:CLASS14:CLASS15:CLASS16:CLASS17:CLASS18:CLASS19:CLASS20:CLASS21:CLASS22:CLASS29:CLASS